

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A semiconductor integrated circuit having a surface-emitting laser, comprising:

a transparent substrate;

the surface-emitting laser composed of a different material than the transparent substrate, the surface-emitting ~~laser layer~~ adhered to the transparent substrate by an adhesive; and

an integrated circuit chip that is flip-chip mounted on the transparent substrate and arranged to cover the surface-emitting laser; the integrated circuit chip including a light receiving device that is arranged so as to face the surface-emitting laser.

2. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the light receiving device being a photodiode.

3. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 2,

the photodiode being an MSM photodiode.

4. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

a light receiving part of the light receiving device being positioned on an optical axis of the surface-emitting laser.

5. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the integrated circuit chip including an auto power control circuit that controls an amount of light emitted by the surface-emitting laser based on an amount of light detected by the light receiving device.

6. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the integrated circuit chip including a signal processing circuit and an output signal of the signal processing circuit being an input signal to the surface-emitting laser.

7. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the transparent substrate including an auto power control circuit that controls an amount of light emitted by the surface-emitting laser based on an amount of light detected by the light receiving device.

8. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the transparent substrate including signal processing circuit and an output signal of the signal processing circuit being an input signal to the surface-emitting laser.

9. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,

the transparent substrate including a lens that is positioned on an optical axis of the surface-emitting laser.

10. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 9,

the surface-emitting laser being adhered to a surface of the transparent substrate and the lens being provided to a back surface of the transparent substrate.

11. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,
the transparent substrate including a diffraction grating that is positioned on an optical axis of the surface-emitting laser.

12. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 11,
the surface-emitting laser being adhered to a surface of the transparent substrate and the diffraction grating being provided to a back surface of the transparent substrate.

13. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,
the light receiving device having wavelength selectivity.

14. (Original) The semiconductor integrated circuit having a surface-emitting laser according to Claim 13,
a light receiving part of the light receiving device being provided with a filter that transmits only light of a predetermined wavelength.

15. (Canceled)

16. (Previously Presented) The semiconductor integrated circuit having a surface-emitting laser according to Claim 1,
the surface-emitting laser including a lower multilayered reflective layer, an active layer that is provided above the lower multilayered reflective layer, and an upper multilayered reflective layer that is provided above the active layer.

17–22. (Canceled)